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(54) **OUTSIDE PLANT FIBER DISTRIBUTION APPARATUS AND METHOD**

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**Related U.S. Application Data**

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(51) Int. Cl.<sup>7</sup> ..... **G02B 6/00; H05K 7/00**

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(58) Field of Search ..... **385/134, 135, 385/136; 361/728; 174/50**

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(57) **ABSTRACT**

An outside plant fiber distribution apparatus includes a frame member and a plurality of fiber optic modules mounted to the frame member. The frame member includes upper and lower module mounting brackets. Each module includes a front and two mounting flanges, each mountable to one of the upper and lower module mounting brackets. At least one of the modules is configured as a connection module including a plurality of connection locations disposed along the front of the module. A rear of the module includes a cable notch region for receipt of a cable. At least one of the modules defines a storage module including first and second spools. In an interconnect system, the storage module includes a cable clamp for holding a second cable, the cables are connected through the connection locations of the connection module. In a cross-connect system, two connection modules are provided, and patch cords are used to connect the fronts of the connection modules. The modules may also house splices, and/or optical couplers, such as splitters and wave division multiplexers.

**9 Claims, 21 Drawing Sheets**

